

For Research Use Only

# PHF8 Polyclonal antibody

Catalog Number: 29516-1-AP



## Basic Information

<b>Catalog Number:</b> 29516-1-AP	<b>GenBank Accession Number:</b> NM_001184896	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 23133	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> PHD finger protein 8	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 118 kDa	
<b>Immunogen Catalog Number:</b> AG30701	<b>Observed MW:</b> 125-135 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : A431 cells, HeLa cells, Jurkat cells IHC : human colon cancer tissue,
<b>Species Specificity:</b> Human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Plant homeodomain finger protein 8 (PHF8) is a JmjC domain-containing protein. PHF8 is localized in the nucleolus and may regulate rRNA transcription. As a member of the KDM7 subfamily of enzymes, PHF8 is involved in demethylation of lysine residues in histones such as H3K27me2/1, H3K9me2/1 and H4K20me1. PHF8 has been reported to participate in cancer development and metastasis of various types of tumors(PMID: 33111613). PHF8 has 5 isoforms produced by alternative splicing(Uniprot).

## Storage

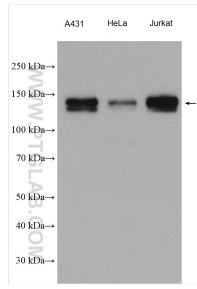
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

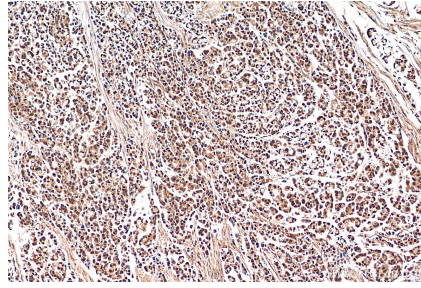
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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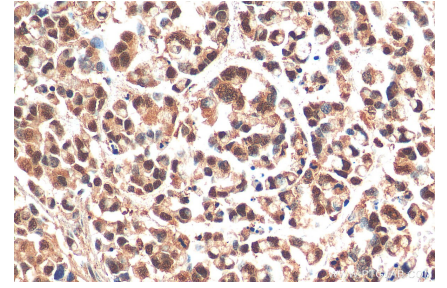
## Selected Validation Data



A431 cells were subjected to SDS PAGE followed by western blot with 29516-1-AP (PHF8 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 29516-1-AP (PHF8 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 29516-1-AP (PHF8 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).